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20575 7590 04/22/2005

MARGER JOHNSON & MCCOLLOM, P.C.
1030 SW MORRISON STREET
PORTLAND, OR 97205

07/07/2005 HDENESS2 00000107 10656303

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Li Mei Vermilya (Depositor's name)
[Signature] (Signature)
July 6, 2005 (Date)

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/656,303	09/04/2003	Hoe-Ju Chung	9898-293	8209

TITLE OF INVENTION: SEMICONDUCTOR MEMORY DEVICE HAVING DUTY CYCLE CORRECTION CIRCUIT AND INTERPOLATION CIRCUIT INTERPOLATING CLOCK SIGNAL IN THE SEMICONDUCTOR MEMORY DEVICE

APPLN. TYPE	SMALL ENTITY	ISSUE FEE	PUBLICATION FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1400	\$300	\$1700	07/22/2005

EXAMINER	ART UNIT	CLASS-SUBCLASS
AUDUONG, GENE NGHIA	2827	365-233000

1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363).

- ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.
☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.

2. For printing on the patent front page, list

- (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,
(2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.

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3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type)

PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment.

(A) NAME OF ASSIGNEE

(B) RESIDENCE: (CITY and STATE OR COUNTRY)

Samsung Electronics Co., Ltd. Suwon-si, Gyeonggi-do, Republic of Korea

Please check the appropriate assignee category or categories (will not be printed on the patent): ☐ Individual ☒ Corporation or other private group entity ☐ Government

4a. The following fee(s) are enclosed:

- ☒ Issue Fee
☒ Publication Fee (No small entity discount permitted)
☐ Advance Order - # of Copies _____

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- ☐ A check in the amount of the fee(s) is enclosed.
☒ Payment by credit card. Form PTO-2038 is attached.
☐ The Director is hereby authorized by charge the required fee(s), or credit any overpayment, to Deposit Account Number 13-1703 (enclose an extra copy of this form).

5. Change in Entity Status (from status indicated above)

- ☐ a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ☐ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2).

The Director of the USPTO is requested to apply the Issue Fee and Publication Fee (if any) or to re-apply any previously paid issue fee to the application identified above. NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office.

Authorized Signature

[Signature]
Craig R. Rogers

Date

July 6, 2005

Typed or printed name

Registration No. 43,888

This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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I hereby certify that the attached Issue Fee Transmittal with PTO Form 85B, PTO form 2038 authorizing credit card payment of \$1700.00 for issue fee (\$1400) and publication fee (\$300), are submitted to the U.S. Patent and Trademark Office via facsimile number (703) 746-4000 on the date shown below. (Total 3 pages).


Li Mei Vermilya

Date: July 6, 2005

PATENT APPLICATION
Docket No.: 9898-293
Client Ref. No.: SS-17762-US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of: Hoe-Ju CHUNG and Kyu-Hyoun KIM

Serial No.: 10/656,303 Examiner: Auduong, Gene Nghia

Filed: September 4, 2003 Group Art Unit: 2818

Confirmation No.: 8209

For: SEMICONDUCTOR MEMORY DEVICE HAVING DUTY CYCLE
CORRECTION CIRCUIT AND INTERPOLATION CIRCUIT
INTERPOLATING CLOCK SIGNAL IN THE SEMICONDUCTOR
MEMORY DEVICE

TRANSMITTAL LETTER

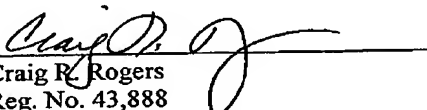
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Enclosed for filing in the above-referenced application are the following:

- ☒ Publication (\$300) and Issue Fee (\$1400.00 large)
☒ In connection with issuance of a patent:
☐ Supplemental Declaration ☒ PTO Form 85B
☒ PTO Form 2038 authorizing credit card payment for the above-listed fees
☒ Any deficiency or overpayment should be charged or credited to deposit account number 13-1703.

Customer No. 20575

Respectfully submitted,
MARGER JOHNSON & McCOLLOM, P.C.


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